Section 1. Registration Information

Source Identification

Facility Name:	NUNES COOLING INC.
Parent Company #1 Name:	The Nunes Company Inc.
Parent Company #2 Name:	

Submission and Acceptance

Submission Type:	Re-submission
Subsequent RMP Submission Reason:	5-year update (40 CFR 68.190(b)(1))
Description:	
Receipt Date:	06-Oct-2009
Postmark Date:	06-Oct-2009
Next Due Date:	06-Oct-2014
Completeness Check Date:	01-Oct-2012
Complete RMP:	Yes
De-Registration / Closed Reason:	
De-Registration / Closed Reason Other Text:	
De-Registered / Closed Date:	
De-Registered / Closed Effective Date:	
Certification Received:	Yes

Facility Identification

EPA Facility Identifier:	1000 0015 1569
Other EPA Systems Facility ID:	

Dun and Bradstreet Numbers (DUNS)

Facility DUNS:	125104596
Parent Company #1 DUNS:	196881510
Parent Company #2 DUNS:	

Facility Location Address

Street 1:	4471 Gila Ridge Rd.
Street 2:	
City:	Yuma
State:	ARIZONA
ZIP:	85365
ZIP4:	
County:	YUMA

Facility Latitude and Longitude

Latitude (decimal):	32.679722
Longitude (decimal):	-114.555
Lat/Long Method:	Interpolation - Satellite
Lat/Long Description:	Process Unit
Horizontal Accuracy Measure:	10
Horizontal Reference Datum Name:	North American Datum of 1983
Source Map Scale Number:	

Owner or Operator

Operator Name:	Nunes Cooling Inc.
Operator Phone:	(831) 751-7510

Mailing Address

Operator Street 1:	P. O. Box 673
Operator Street 2:	
Operator City:	Salinas
Operator State:	CALIFORNIA
Operator ZIP:	93902
Operator ZIP4:	
Operator Foreign State or Province:	
Operator Foreign ZIP:	
Operator Foreign Country:	

Name and title of person or position responsible for Part 68 (RMP) Implementation

RMP Name of Person:	Ralph Olivarez
RMP Title of Person or Position:	Safety Director
RMP E-mail Address:	rolivarez@foxyproduce.com

Emergency Contact

Emergency Contact Name:	Matt Janssen
Emergency Contact Title:	Maintenance Supervisor
Emergency Contact Phone:	(928) 726-4530
Emergency Contact 24-Hour Phone:	(928) 276-5390
Emergency Contact Ext. or PIN:	
Emergency Contact E-mail Address:	mjanssen@foxyproduce.com

Other Points of Contact

Facility or Parent Company E-mail Address:	
Facility Public Contact Phone:	(928) 726-4530
Facility or Parent Company WWW Homepage Address:	

Local Emergency Planning Committee

LEPC:	Yuma County LEPC

Full Time Equivalent Employees

Number of Full Time Employees (FTE) on Site:	30
FTE Claimed as CBI:	

Covered By

OSHA PSM :	Yes
EPCRA 302 :	Yes
CAA Title V:	
Air Operating Permit ID:	

OSHA Ranking

OSHA Star or Merit Ranking:

Last Safety Inspection

Last Safety Inspection (By an External Agency) Date:	17-Mar-2008
Last Safety Inspection Performed By an External Agency:	Yuma Fire Department

Predictive Filing

Did this RMP involve predictive filing?:

Preparer Information

Preparer Name:	Scott Goad
Preparer Phone:	(831) 682-3196
Preparer Street 1:	P. O. Box 673
Preparer Street 2:	
Preparer City:	Salinas
Preparer State:	CALIFORNIA
Preparer ZIP:	93902
Preparer ZIP4:	
Preparer Foreign State:	
Preparer Foreign Country:	
Preparer Foreign ZIP:	

Confidential Business Information (CBI)

CBI Claimed:
Substantiation Provided:
Unsanitized RMP Provided:

Reportable Accidents

Reportable Accidents: See Section 6. Accident History below to determine if there were any accidents reported for this RMP.

Process Chemicals

Process ID:	1000013180
Description:	Ammonia Refrigeration Sys
Process Chemical ID:	1000015193
Program Level:	Program Level 3 process
Chemical Name:	Ammonia (anhydrous)
CAS Number:	7664-41-7
Quantity (lbs):	27920
CBI Claimed:	
Flammable/Toxic:	Toxic

Process NAICS

Process ID:	1000013180
Process NAICS ID:	1000013546
Program Level:	Program Level 3 process
NAICS Code:	49312
NAICS Description:	Refrigerated Warehousing and Storage

Section 2. Toxics: Worst Case

Toxic Worst ID: 1000010958

Percent Weight:	
Physical State:	Gas liquified by pressure
Model Used:	EPA's RMP*Comp(TM)
Release Duration (mins):	10
Wind Speed (m/sec):	1.5
Atmospheric Stability Class:	F
Topography:	Rural

Passive Mitigation Considered

Dikes:	
Enclosures:	
Berms:	
Drains:	
Sumps:	
Other Type:	

Section 3. Toxics: Alternative Release

Toxic Alter ID: 1000011997

Percent Weight:	
Physical State:	Gas liquified by pressure
Model Used:	EPA's RMP*Comp(TM)
Wind Speed (m/sec):	3.0
Atmospheric Stability Class:	D
Topography:	Rural

Passive Mitigation Considered

Dikes:	
Enclosures:	
Berms:	
Drains:	
Sumps:	
Other Type:	

Active Mitigation Considered

Sprinkler System:	
Deluge System:	
Water Curtain:	
Neutralization:	
Excess Flow Valve:	
Flares:	
Scrubbers:	
Emergency Shutdown:	
Other Type:	

Section 4. Flammables: Worst Case

No records found.

Section 5. Flammables: Alternative Release

No records found.

Section 6. Accident History

Accident History ID: 1000020401

Date of Accident:	04-Nov-2010
Time Accident Began (HHMM):	0611
NAICS Code of Process Involved:	49312
NAICS Description:	Refrigerated Warehousing and Storage
Release Duration:	001 Hours 01 Minutes

Release Event

Gas Release:	Yes
Liquid Spill/Evaporation:	
Fire:	
Explosion:	
Uncontrolled/Runaway Reaction:	

Release Source

Storage Vessel:	
Piping:	Yes
Process Vessel:	
Transfer Hose:	
Valve:	Yes
Pump:	
Joint:	
Other Release Source:	

Weather Conditions at the Time of Event

Wind Speed:	5.8
Units:	miles/h
Direction:	N
Temperature:	67
Atmospheric Stability Class:	
Precipitation Present:	
Unknown Weather Conditions:	

On-Site Impacts

Employee or Contractor Deaths:	0
Public Responder Deaths:	0
Public Deaths:	0
Employee or Contractor Injuries:	0
Public Responder Injuries:	0
Public Injuries:	0
On-Site Property Damage ($):	0

Known Off-Site Impacts

Deaths:	0
Hospitalization:	0
Other Medical Treatments:	0
Evacuated:	0

Sheltered-in-Place:	0
Off-Site Property Damage ($):	0

Environmental Damage

Fish or Animal Kills:	
Tree, Lawn, Shrub, or Crop Damage:	
Water Contamination:	
Soil Contamination:	
Other Environmental Damage:	

Initiating Event

Initiating Event:	Equipment Failure

Contributing Factors

Equipment Failure:	Yes
Human Error:	Yes
Improper Procedures:	
Overpressurization:	
Upset Condition:	
By-Pass Condition:	
Maintenance Activity/Inactivity:	
Process Design Failure:	
Unsuitable Equipment:	
Unusual Weather Condition:	
Management Error:	
Other Contributing Factor:	

Off-Site Responders Notified

Off-Site Responders Notified:	Notified and Responded

Changes Introduced as a Result of the Accident

Improved or Upgraded Equipment:	
Revised Maintenance:	
Revised Training:	
Revised Operating Procedures:	
New Process Controls:	
New Mitigation Systems:	
Revised Emergency Response Plan:	
Changed Process:	
Reduced Inventory:	
None:	
Other Changes Introduced:	Reviewed maintenance and refrigeration construction policies and procedures with employees and contractor.

Confidential Business Information

CBI Claimed:	

Chemicals in Accident History

Accident Chemical ID:	1000016028
Quantity Released (lbs):	650
Percent Weight:	100.0
Chemical Name:	Ammonia (anhydrous)
CAS Number:	7664-41-7
Flammable/Toxic:	Toxic

Section 7. Program Level 3

Description

Ammonia Refrigeration System: Cold Room Storage and Vacuum Tubes

Program Level 3 Prevention Program Chemicals

Prevention Program Chemical ID:	1000012716
Chemical Name:	Ammonia (anhydrous)
Flammable/Toxic:	Toxic
CAS Number:	7664-41-7
Prevention Program Level 3 ID:	1000010924
NAICS Code:	49312

Safety Information

Safety Review Date (The date on which the safety information was last reviewed or revised):	17-Sep-2009

Process Hazard Analysis (PHA)

PHA Completion Date (Date of last PHA or PHA update):	17-Sep-2009

The Technique Used

What If:	
Checklist:	
What If/Checklist:	Yes
HAZOP:	Yes
Failure Mode and Effects Analysis:	
Fault Tree Analysis:	
Other Technique Used:	
PHA Change Completion Date (The expected or actual date of completion of all changes resulting from last PHA or PHA update):	15-Jan-2010

Major Hazards Identified

Toxic Release:	Yes
Fire:	Yes
Explosion:	
Runaway Reaction:	
Polymerization:	
Overpressurization:	Yes
Corrosion:	
Overfilling:	Yes
Contamination:	
Equipment Failure:	Yes
Loss of Cooling, Heating, Electricity, Instrument Air:	
Earthquake:	Yes
Floods (Flood Plain):	

Tornado:	
Hurricanes:	
Other Major Hazard Identified:	

Process Controls in Use

Vents:	
Relief Valves:	Yes
Check Valves:	Yes
Scrubbers:	
Flares:	
Manual Shutoffs:	
Automatic Shutoffs:	Yes
Interlocks:	
Alarms and Procedures:	Yes
Keyed Bypass:	
Emergency Air Supply:	
Emergency Power:	
Backup Pump:	
Grounding Equipment:	
Inhibitor Addition:	
Rupture Disks:	
Excess Flow Device:	
Quench System:	
Purge System:	
None:	
Other Process Control in Use:	

Mitigation Systems in Use

Sprinkler System:	
Dikes:	
Fire Walls:	
Blast Walls:	
Deluge System:	
Water Curtain:	
Enclosure:	
Neutralization:	
None:	
Other Mitigation System in Use:	Diffusion Tank

Monitoring/Detection Systems in Use

Process Area Detectors:	
Perimeter Monitors:	
None:	Yes
Other Monitoring/Detection System in Use:	

Changes Since Last PHA Update

Reduction in Chemical Inventory:	
Increase in Chemical Inventory:	Yes
Change Process Parameters:	
Installation of Process Controls:	
Installation of Process Detection Systems:	

Installation of Perimeter Monitoring Systems:	
Installation of Mitigation Systems:	
None Recommended:	
None:	
Other Changes Since Last PHA or PHA Update:	

Review of Operating Procedures

Operating Procedures Revision Date (The date of the most recent review or revision of operating procedures):	17-Sep-2009

Training

Training Revision Date (The date of the most recent review or revision of training programs):	16-Sep-2009

The Type of Training Provided

Classroom:	Yes
On the Job:	Yes
Other Training:	

The Type of Competency Testing Used

Written Tests:	
Oral Tests:	Yes
Demonstration:	Yes
Observation:	Yes
Other Type of Competency Testing Used:	

Maintenance

Maintenance Procedures Revision Date (The date of the most recent review or revision of maintenance procedures):	17-Sep-2009
Equipment Inspection Date (The date of the most recent equipment inspection or test):	19-Jun-2009
Equipment Tested (Equipment most recently inspected or tested):	Mechanical Integrity Inspection

Management of Change

Change Management Date (The date of the most recent change that triggered management of change procedures):	
Change Management Revision Date (The date of the most recent review or revision of management of change procedures):	15-Sep-2004

Pre-Startup Review

Pre-Startup Review Date (The date of the most recent pre-startup review):	04-Mar-1999

Compliance Audits

Compliance Audit Date (The date of the most recent compliance audit):	20-Nov-2008
Compliance Audit Change Completion Date (Expected or actual date of completion of all changes resulting from the compliance audit):	20-Dec-2008

Incident Investigation

Incident Investigation Date (The date of the most recent incident investigation (if any)):	
Incident Investigation Change Date (The expected or actual date of completion of all changes resulting from the investigation):	

Employee Participation Plans

Participation Plan Revision Date (The date of the most recent review or revision of employee participation plans):	15-Sep-2004

Hot Work Permit Procedures

Hot Work permit Review Date (The date of the most recent review or revision of hot work permit procedures):	17-Sep-2009

Contractor Safety Procedures

Contractor Safety Procedures Review Date (The date of the most recent review or revision of contractor safety procedures):	17-Sep-2009
Contractor Safety Performance Evaluation Date (The date of the most recent review or revision of contractor safety performance):	17-Sep-2009

Confidential Business Information

CBI Claimed:	

Section 8. Program Level 2

Section 9. Emergency Response

Written Emergency Response (ER) Plan

Community Plan (Is facility included in written community emergency response plan?):	Yes
Facility Plan (Does facility have its own written emergency response plan?):	
Response Actions (Does ER plan include specific actions to be taken in response to accidental releases of regulated substance(s)?):	
Public Information (Does ER plan include procedures for informing the public and local agencies responding to accidental release?):	
Healthcare (Does facility's ER plan include information on emergency health care?):	

Emergency Response Review

Review Date (Date of most recent review or update of facility's ER plan):	

Emergency Response Training

Training Date (Date of most recent review or update of facility's employees):	

Local Agency

Agency Name (Name of local agency with which the facility ER plan or response activities are coordinated):	Yuma Fire Department
Agency Phone Number (Phone number of local agency with which the facility ER plan or response activities are coordinated):	(928) 373-4850

Subject to

OSHA Regulations at 29 CFR 1910.38:	Yes
OSHA Regulations at 29 CFR 1910.120:	Yes
Clean Water Regulations at 40 CFR 112:	
RCRA Regulations at CFR 264, 265, and 279.52:	
OPA 90 Regulations at 40 CFR 112, 33 CFR 154, 49 CFR 194, or 30 CFR 254:	
State EPCRA Rules or Laws:	Yes
Other (Specify):	

Executive Summary

EXECUTIVE SUMMARY

ACCIDENTAL RELEASE PREVENTION POLICIES

Nunes Cooling is located in Yuma, AZ. The facility stores, cools and ships harvested agricultural products and employs approximately 30 persons at this location.

Nunes Cooling has a long standing commitment to worker and public safety. This commitment is demonstrated by the resources invested in accident prevention, such as personnel training and consideration of safety in the design, operation, and maintenance of the ammonia refrigeration system. Nunes Cooling's policy is to implement reasonable controls to prevent foreseeable releases of regulated substance.

STATIONARY SOURCE AND REGULATED SUBSTANCE

The facility utilizes ammonia for refrigeration. The system is defined as a closed loop system. Approximately 27,920 lbs of ammonia are contained in the ammonia refrigeration system respectively. The system runs approximately half of the year. During the downseason, major maintenance issues are handled to ensure the safe operation of the refrigeration system.

HAZARD ASSESSMENT SUMMARY/OFFSITE CONSEQUENCE ANALYSIS

Worst-Case Release Scenario Results Summary:

Scenario Description: Per the EPA Regulations, one worst-case release scenario has been defined for the ammonia refrigeration system. The results can be found in the Hazard Assessment documentation.

Alternative Release Scenario Results Summary:

Scenario Description: Per the EPA Regulations, one alternative-case release scenario has been defined for the ammonia refrigeration system. The results can be found in the Hazard Assessment documentation.

Risk Considerations:

Although the storage and use of anhydrous ammonia has inherent potential risks, and worst-case release scenario can potentially reach the community; Nunes Cooling has recognized these potential risks and structured its safety programs to make the worst-case type of event non-credible. In addition to the safety practices of the company and facility personnel to make this worst-case event non-credible, it should also be recognized that there are inherent analysis assumptions that make the results of the atmospheric dispersion analysis appear worse than what would actually be expected during such an event (e.g., In the event of a release, sudden rupture and flashing of ammonia would be highly turbulent. Turbulence causes entrainment of air and the released vapor dilutes much more quickly than is shown in the model).

In addition to the use of conservative analysis assumptions that over-predict the effects of a potential release, other characteristics of the facility and site serve to minimize the potential risks associated with an ammonia release:

- There are process valves to permit isolation of any leaks in place.
- The system undergoes scheduled maintenance to reduce the likelihood of catastrophic failures.
- Personal Protective Equipment (PPE) is used by facility personnel, as necessary.

The history of Nunes Cooling (i.e., no RMP-applicable ammonia releases in the last five years) reflects the adequacy of the design and diligence of the facility staff in safely operating the refrigeration systems.

RISK MANAGEMENT PREVENTION PROGRAM

As part of the implementation of the RMP Program 3, key Prevention Program elements were documented and implemented by Nunes Cooling to manage process safety issues associated with the use of ammonia. Prevention Program 3 elements include:

Â§68.65 Process Safety Information (PSI)
Â§68.67 Process Hazard Analysis (PHA)
Â§68.69 Operating Procedures (OP)
Â§68.71 Training (TRN)
Â§68.73 Mechanical Integrity (MI)
Â§68.75 Management of Change (MOC)
Â§68.77 Pre-Startup Review (PSSR)
Â§68.79 Compliance Audits (CA)
Â§68.81 Incident Investigation (II)

Â§68.83 Employee Participation (EP)
Â§68.85 Hot Work Permit (HWP)
Â§68.87 Contractors (CO)
Â§68.90 Emergency Planning & Response (EP&R)

FIVE-YEAR ACCIDENT HISTORY

There have been no RMP-applicable releases of ammonia at the facility in at least the past five (5) years.

FLAMMABLES: WORST CASE

The use of flammable materials at Nunes Cooling facility is not encompassed by either the federal or state RMP requirements. Therefore, this section is not applicable.

FLAMMABLES: ALTERNATIVE RELEASE

The use of flammable materials at Nunes Cooling facility is not encompassed by either the federal or state RMP requirements. Therefore, this section is not applicable.

EMERGENCY RESPONSE PROGRAM

Nunes Cooling has filed a Chemical Inventory Business Plan with the Yuma LEPC and this plan includes:
- Emergency Alarm Procedures
- Evacuation Procedures
- Safety and Health Considerations
- Notification Procedures

PLANNED CHANGES TO IMPROVE SAFETY

Nunes Cooling is extremely diligent in the handling of ammonia. Planned changes to improve safety are listed as recommendations in the PHA Report.